

Assessment on Undistribution

For this online assessment, copy the problems onto a sheet of paper and work them out by hand. Submit your written work in class after you use it to complete this online assessment.

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* Required

Last Name *

First Name *

1. Please fully factor the expression below. *

Do not use capitals or spaces in your answer. Do not use the asterisk for multiplication. Use the ^ for expressions containing exponents. An acceptable form would be something like $-3(x-4+2x^2)$.

$$8x + 4y - 12z$$

2. Please fully factor the above below. *

Do not use capitals or spaces in your answer. Do not use the asterisk for multiplication. Use the ^ for expressions containing exponents. An acceptable form would be something like $-3(x-4+2x^2)$.

$$5x^4 + 4xy - 20x^5z$$

3. Please fully factor the above below. *

Do not use capitals or spaces in your answer. Do not use the asterisk for multiplication. Use the ^ for expressions containing exponents. An acceptable form would be something like $-3(x-4+2x^2)$.

$$-20x^5 + 4x + 36x^7$$

4. Please fully factor the expression below. *

- ☐ A
☐ B
☐ C
☐ D

$$10ab - 20a^2b^3 + 30a^4b^6$$

- A. $10(ab - 2a^2b^3 + 3a^4b^6)$ B. $10ab(2ab^2 + 3a^3b^5)$
C. $10ab(1 - 2ab^2 + 3a^3b^5)$ D. $-10ab(-1 + 2ab^2 - 3a^3b^5)$

5. Please fully factor the expression below. *

Do not use capitals or spaces in your answer. Use the ^ for expressions containing exponents.

- ☐ A
☐ B
☐ C
☐ D

$$-32a^3b^5 - 48a^2b^7$$

- A. $-8a^2b^5(4a + 6b^2)$ B. $8a^2b^5(-4a - 6b^2)$
C. $-8(4a^3b^5 + 6a^2b^7)$ D. $-8a^2(4ab^5 + 6b^7)$

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